

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number
WO 2005/051088 A2

(51) International Patent Classification⁷: A23C 9/20, A23L 1/305

(21) International Application Number: PCT/US2004/035505

(22) International Filing Date: 26 October 2004 (26.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/519,247 12 November 2003 (12.11.2003) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/051088 A2

(54) Title: IRON-CONTAINING HUMAN MILK FORTIFIER WITH IMPROVED ANTIMICROBIAL PROPERTIES

(57) Abstract: Disclosed are human milk fortifier compositions, in either powder or liquid forms, comprising nutrients and selected iron-containing materials, wherein the fortifiers when added to human milk do not significantly inhibit or otherwise eliminate the inherent, *in-vitro* antimicrobial properties of the milk. This is accomplished by formulating the compositions with iron-containing insoluble iron, soluble bound iron, or combinations thereof, with little or no soluble unbound iron. Also disclosed are methods of providing nutrition to infants, especially preterm infants, by adding the human milk fortifier described herein with human milk to form a fortified human milk, and then administering the fortified human milk to the infant. The fortifier can also be used to fortify other infant formulas.